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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/058,863 ,	01/28/2002	Scott R. Brown	ATA-5	3628	
7590 08/09/2004 SQUARE D COMPANY			EXAMINER  DEBERADINIS, ROBERT L		
,			2836		
			DATE MAILED: 08/09/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application	on No.	Applicant(s)				
Office Action Summary		10/058,86	· ·	BROWN ET AL.				
		Examiner		Art Unit				
	•	Robert De		2836				
	The MAILING DATE of this communication appears on the cover sheet with the correspondence address							
Period fo	• •							
THE N - Exten after 3 - If the - If NO - Failur Any re	ORTENED STATUTORY PERIOD FOR MAILING DATE OF THIS COMMUNICA asions of time may be available under the provisions of 3' SIX (6) MONTHS from the mailing date of this communic period for reply specified above is less than thirty (30) date of the reply is specified above, the maximum statuto the to reply within the set or extended period for reply will, eply received by the Office later than three months after the patent term adjustment. See 37 CFR 1.704(b).	ATION.  FOR 1.136(a). In no every cation.  ays, a reply within the statu ory period will apply and will b, by statute, cause the appl	ent, however, may a reply be til utory minimum of thirty (30) da Il expire SIX (6) MONTHS from ication to become ABANDONE	mely filed ys will be considered timely. n the mailing date of this communication. ED (35 U.S.C. § 133).				
Status								
1)⊠	Responsive to communication(s) filed o	on <u>10 May 2004</u> .						
2a) <u></u> □	This action is <b>FINAL</b> . 2b)⊠ This action is non-final.							
,—	- • • • • • • • • • • • • • • • • • • •							
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition	on of Claims							
4)⊠	Claim(s) <u>1-17</u> is/are pending in the application.							
4	4a) Of the above claim(s) is/are withdrawn from consideration.							
5)□	Claim(s) is/are allowed.							
6)⊠	Claim(s) <u>1-17</u> is/are rejected.							
7)	Claim(s) is/are objected to.							
8)□	Claim(s) are subject to restriction and/or election requirement.							
Application	on Papers							
9)[] 7	The specification is objected to by the E	xaminer.						
· ·	10)⊠ The drawing(s) filed on <u>28 January 2004</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.							
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
	·	,						
	nder 35 U.S.C. § 119	**************************************						
	12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).							
•	All b) Some * c) None of:  1 Certified copies of the priority documents have been received.							
	<ul> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No.</li> </ul>							
	<ul> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage</li> </ul>							
		· -		ed in this National Stage				
* S	application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.							
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Attachment	• •		A) 🗆 144 2 2	· (DTO 440)				
1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413)  Paper No(s)/Mail Date								
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  5) Notice of Informal Patent Application (PTO-152)								
Paper	Paper No(s)/Mail Date 6) Uther:							

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### **DETAILED ACTION**

#### Election/Restrictions

Applicant's election without traverse of Group I, claims 1-17, in the reply filed on 5/10/04, is acknowledged.

## Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35

U.S.C. 102 that form the basis for the rejections under this section made in this

Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-15 are rejected under 35 U.S.C. 102(b) as being anticipated by BROWN 5,960,207.

Regarding claims 1, 7.

**BROWN** discloses:

a full-wave bridge rectifier (figure 6, 602) providing a rectified DC power output;

a micro-controller (figure 6, 642) for monitoring a component of said rectified DC power, evaluating said monitored component and providing an output signal in response to said evaluation of said monitored component;

an output switch (Qc in combination with DF2) operating in response to said output signal for selectively providing said rectified DC power and a constant average current (column 7, lines 29-31) to an electrical device

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connected electrically in series with said full-wave bridge rectifier and said output switch.

Regarding claims 2, 8.

BROWN discloses wherein said monitored component of the rectified power is the voltage (column 6, lines 31, 32).

Regarding claims 3, 4, 9, 10.

BROWN discloses wherein said monitored component is evaluated with respect to a set point measured in volt-seconds (the volt-second set point is inherent in the operation of the pulse width modulator).

Regarding claims 5, 6, 11, 12.

BROWN discloses wherein said monitoring, evaluating and providing said output signal are concurrent operations initiated by a trigger (inherent functions in a pulse with modulating system column 7, lines 34-37).

Regarding claims 13, 14, 15.

BROWN discloses a power supply includes a power factor correction converter and a controller that disables the power factor correction converter when the power supply is operating in a low power mode (column 3, lines 45-50). Claims 13-15 are inherently included functions for operating said power supply in the low power mode.

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## Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 16, 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over BROWN 5,960,207 in view of HOLMQUIST 6,253,112.

Regarding claims 16, 17.

BROWN discloses the circuit of claim 15.

BROWN does not disclose wherein said micro-controller wakes up after said predetermined period of time.

HOLMQUIST discloses a method of and apparatus for constructing a control system and a control system created thereby which is based on multiple finite state machines (abstract, column 5, lines 19-50).

It would have been obvious to one having ordinary skill in the art at the time of this invention to modify BROWN to wake up the micro-controller after a predetermined period of time. The motivation to provide the wake up signal after a predetermined time would be to be able to shut the power supply down completely when the supply is not needed to conserve power in a finite state machine that requires supply voltage periodically for its operation.

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Any inquiry concerning this communication should be directed to Robert L. DeBeradinis whose number is (571) 272-2049. The Examiner can normally be reached Monday-Friday from 8:30 am to 5:00 pm.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Brian Sircus, can be reached on (571) 272-2058. The Fax phone number for this Group is (703) 872-9306.

RLD

**AUGUST 5, 2004** 

ROBERT L. DEBERADINIS
PRIMARY EXAMINER